

**Report of
Endangered, Threatened, and Special Concern
Plants, Animals, and Natural Communities
for Lyon County, Kentucky**

**Kentucky State Nature Preserves
Commission
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Kentucky State Nature Preserves Commission

Key for County List Report

Within a county, elements are arranged first by taxonomic complexity (plants first, natural communities last), and second by scientific name. A key to status, ranks, and count data fields follows.

STATUS

KSNPC: Kentucky State Nature Preserves Commission status:

N or blank = none E = endangered T = threatened S = special concern H = historic X = extirpated

USESA: U.S. Fish and Wildlife Service status:

blank = none C = candidate LT = listed as threatened LE = listed as endangered

SOMC = Species of Management Concern

RANKS

GRANK: Estimate of element abundance on a global scale:

G1 = Critically imperiled

GU = Unrankable

G2 = Imperiled

G#? = Inexact rank (e.g. G2?)

G3 = Vulnerable

G#Q = Questionable taxonomy

G4 = Apparently secure

G#T# = Intraspecific taxa (Subspecies and variety abundances are coded with a 'T' suffix; the 'G' portion of the rank then refers to the entire species)

G5 = Secure

GH = Historic, possibly extinct

GNR = Unranked

GX = Presumed extinct

GNA = Not applicable

SRANK: Estimate of element abundance in Kentucky:

S1 = Critically imperiled

SU = Unrankable

Migratory species may have separate ranks for different population segments (e.g. S1B, S2N, S4M):

S2 = Imperiled

S#? = Inexact rank (e.g. G2?)

S3 = Vulnerable

S#Q = Questionable taxonomy

S#B = Rank of breeding population

S4 = Apparently secure

S#T# = Intraspecific taxa

S#N = Rank of non-breeding population

S5 = Secure

SNR = Unranked

S#M = Rank of transient population

SH = Historic, possibly extirpated

SNA = Not applicable

SX = Presumed extirpated

COUNT DATA FIELDS

OF OCCURRENCES: Number of occurrences of a particular element from a county. Column headings are as follows:

E - currently reported from the county

H - reported from the county but not seen for at least 20 years

F - reported from county & cannot be relocated but for which further inventory is needed

X - known to have extirpated from the county

U - reported from a county but cannot be mapped to a quadrangle or exact location.

The data from which the county report is generated is continually updated. The date on which the report was created is in the report footer. Contact KSNPC for a current copy of the report.

Please note that the quantity and quality of data collected by the Kentucky Natural Heritage Program are dependent on the research and observations of many individuals and organizations. In most cases, this information is not the result of comprehensive or site-specific field surveys; many natural areas in Kentucky have never been thoroughly surveyed, and new species of plants and animals are still being discovered. For these reasons, the Kentucky Natural Heritage Program cannot provide a definitive statement on the presence, absence, or condition of biological elements in any part of Kentucky. Heritage reports summarize the existing information known to the Kentucky Natural Heritage Program at the time of the request regarding the biological elements or locations in question. They should never be regarded as final statements on the elements or areas being considered, nor should they be substituted for on-site surveys required for environmental assessments.

KSNPC appreciates the submission of any endangered species data for Kentucky from field observations. For information on data reporting or other data services provided by KSNPC, please contact the Data Manager at:

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County	Taxonomic Group	Scientific name	Common name	Statuses	Ranks	# of Occurrences				
						E	H	F	X	U
Lyon	Vascular Plants	<i>Aesculus pavia</i>	Red Buckeye	T /	G5 / S2S3	0	1	0	0	0
Lyon	Vascular Plants	<i>Apios priceana</i>	Price's Potato-bean	E / LT	G2 / S1	4	0	0	0	0
Lyon	Vascular Plants	<i>Aristida ramosissima</i>	Branched Three-awn Grass	H /	G5 / SH	0	1	0	0	0
Lyon	Vascular Plants	<i>Armoracia lacustris</i>	Lakecress	T /	G4? / S1S2	1	0	0	0	0
Lyon	Vascular Plants	<i>Baptisia bracteata</i> var. <i>glabrescens</i>	Cream Wild Indigo	S /	G4G5T4T5 / S3	26	2	0	0	0
Lyon	Vascular Plants	<i>Ceanothus herbaceus</i>	Prairie Redroot	T /	G5 / S2	1	0	0	0	0
Lyon	Vascular Plants	<i>Cimicifuga rubifolia</i>	Appalachian Bugbane	T / SOMC	G3 / S2	1	0	0	0	0
Lyon	Vascular Plants	<i>Halesia tetraptera</i>	Common Silverbell	E /	G5 / S1S2	4	0	0	0	0
Lyon	Vascular Plants	<i>Hedeoma hispidum</i>	Rough Pennyroyal	T /	G5 / S2	1	0	0	0	0
Lyon	Vascular Plants	<i>Heracleum lanatum</i>	Cow-parsnip	H /	G5 / SH	0	1	0	0	0
Lyon	Vascular Plants	<i>Heteranthera dubia</i>	Grassleaf Mud-plantain	S /	G5 / S3	1	0	0	0	0
Lyon	Vascular Plants	<i>Juglans cinerea</i>	White Walnut	S / SOMC	G4 / S3	1	0	0	0	0
Lyon	Vascular Plants	<i>Muhlenbergia glabrifloris</i>	Hair Grass	S /	G4? / S2S3	1	0	0	0	0
Lyon	Vascular Plants	<i>Philadelphus inodorus</i>	Mock Orange	T /	G4G5 / S1S2	2	0	0	0	0
Lyon	Vascular Plants	<i>Ptilimnium capillaceum</i>	Mock Bishop's-weed	T /	G5 / S1S2	1	1	0	0	0
Lyon	Vascular Plants	<i>Ptilimnium costatum</i>	Eastern Mock Bishop's-weed	H /	G4 / SH	0	1	0	0	0
Lyon	Vascular Plants	<i>Ptilimnium nuttallii</i>	Nuttall's Mock Bishop's-weed	E /	G5? / S1S2	1	0	0	0	0
Lyon	Vascular Plants	<i>Solidago buckleyi</i>	Buckley's Goldenrod	S /	G4 / S2S3	1	1	0	0	0
Lyon	Vascular Plants	<i>Styrax grandifolius</i>	Bigleaf Snowbell	T /	G5 / S2S3	1	0	0	0	0
Lyon	Vascular Plants	<i>Symphotrichum drummondii</i> var. <i>texanum</i>	Hairy Heart-leaved Aster	H /	G5T3T4 / SH	0	1	0	0	0
Lyon	Vascular Plants	<i>Trepocarpus aethusae</i>	Trepocarpus	S /	G4G5 / S3	10	0	0	0	0
Lyon	Vascular Plants	<i>Trifolium reflexum</i>	Buffalo Clover	E /	G3G4 / S1S2	1	0	0	0	0
Lyon	Vascular Plants	<i>Ulmus serotina</i>	September Elm	S /	G4 / S3	1	0	0	0	0
Lyon	Vascular Plants	<i>Verbena canadensis</i>	Rose Mock-verbain	H /	G5 / SH	0	1	0	0	0
Lyon	Aquatic Snails	<i>Lithasia armigera</i>	Armored Rocksnail	S / SOMC	G3G4 / S3S4	2	0	1	1	0
Lyon	Freshwater Mussels	<i>Cyprogenia stegaria</i>	Fanshell	E / LE	G1Q / S1	0	0	0	1	0
Lyon	Freshwater Mussels	<i>Dromus dromas</i>	Dromedary Pearlymussel	X / LE	G1 / SX	0	0	0	1	0

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Lyon	Freshwater Mussels	<i>Lampsilis abrupta</i>	Pink Mucket	E / LE	G2 / S1	0	0	0	1	0
Lyon	Freshwater Mussels	<i>Lampsilis ovata</i>	Pocketbook	E /	G5 / S1	0	0	0	2	0
Lyon	Freshwater Mussels	<i>Obovaria retusa</i>	Ring Pink	E / LE	G1 / S1	0	0	0	2	0
Lyon	Freshwater Mussels	<i>Plethobasus cooperianus</i>	Orangefoot Pimpleback	E / LE	G1 / S1	0	0	0	1	0
Lyon	Freshwater Mussels	<i>Plethobasus cyphus</i>	Sheepnose	E / C	G3 / S1	0	0	0	1	0
Lyon	Freshwater Mussels	<i>Pleurobema clava</i>	Clubshell	E / LE	G2 / S1	0	0	0	1	0
Lyon	Freshwater Mussels	<i>Pleurobema rubrum</i>	Pyramid Pigtoe	E / SOMC	G2G3 / S1	0	0	2	0	0
Lyon	Freshwater Mussels	<i>Quadrula cylindrica cylindrica</i>	Rabbitsfoot	T / SOMC	G3G4T3 / S2	0	1	0	1	0
Lyon	Freshwater Mussels	<i>Quadrula fragosa</i>	Winged Mapleleaf	X / LE	G1 / SX	0	0	0	4	0
Lyon	Insects	<i>Nicrophorus americanus</i>	American Burying Beetle	X / LE	G2G3 / SX	0	0	0	1	0
Lyon	Fishes	<i>Acipenser fulvescens</i>	Lake Sturgeon	E / SOMC	G3G4 / S1	0	1	0	0	0
Lyon	Fishes	<i>Esox niger</i>	Chain Pickerel	S /	G5 / S3	0	1	0	0	0
Lyon	Fishes	<i>Etheostoma proeliare</i>	Cypress Darter	T /	G5 / S2	0	2	0	0	0
Lyon	Fishes	<i>Ichthyomyzon castaneus</i>	Chestnut Lamprey	S /	G4 / S2	1	2	0	0	0
Lyon	Fishes	<i>Ictiobus niger</i>	Black Buffalo	S /	G5 / S3	1	3	0	0	0
Lyon	Amphibians	<i>Hyla gratiosa</i>	Barking Treefrog	S /	G5 / S3	2	1	0	0	0
Lyon	Reptiles	<i>Apalone mutica mutica</i>	Midland Smooth Softshell	S /	G5T5 / S3	2	0	0	0	0
Lyon	Reptiles	<i>Eumeces inexpectatus</i>	Southeastern Five-lined Skink	S /	G5 / S3	0	1	0	0	0
Lyon	Reptiles	<i>Lampropeltis triangulum elapsoides</i>	Scarlet Kingsnake	S /	G5T5 / S3	4	0	0	0	0
Lyon	Reptiles	<i>Sistrurus miliarius streckeri</i>	Western Pygmy Rattlesnake	T /	G5T5 / S2	0	2	0	0	0
Lyon	Reptiles	<i>Thamnophis sauritus sauritus</i>	Eastern Ribbon Snake	S /	G5T5 / S3	0	1	0	0	0
Lyon	Breeding Birds	<i>Ardea alba</i>	Great Egret	E /	G5 / S1B	1	0	0	0	0
Lyon	Breeding Birds	<i>Bubulcus ibis</i>	Cattle Egret	S /	G5 / S1S2B	2	0	0	0	0
Lyon	Breeding Birds	<i>Cistothorus platensis</i>	Sedge Wren	S /	G5 / S3B	1	0	0	0	0
Lyon	Breeding Birds	<i>Corvus ossifragus</i>	Fish Crow	S /	G5 / S3B	1	0	0	0	0
Lyon	Breeding Birds	<i>Egretta caerulea</i>	Little Blue Heron	E /	G5 / S1B	1	0	0	0	0
Lyon	Breeding Birds	<i>Egretta thula</i>	Snowy Egret	E /	G5 / S1B	1	0	0	0	0
Lyon	Breeding Birds	<i>Haliaeetus leucocephalus</i>	Bald Eagle	T / Delisted	G5 / S2B,S2S3N	7	0	1	0	0

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Lyon	Breeding Birds	<i>Nycticorax nycticorax</i>	Black-crowned Night-heron	T /	G5 / S1S2B	2	0	0	0	0
Lyon	Breeding Birds	<i>Pandion haliaetus</i>	Osprey	T /	G5 / S2B	7	0	0	0	0
Lyon	Breeding Birds	<i>Podilymbus podiceps</i>	Pied-billed Grebe	E /	G5 / S1B,S4N	0	1	0	0	0
Lyon	Breeding Birds	<i>Thryomanes bewickii</i>	Bewick's Wren	S / SOMC	G5 / S3B	1	0	0	0	0
Lyon	Mammals	<i>Nycticeius humeralis</i>	Evening Bat	S /	G5 / S3	2	0	0	0	0
Lyon County Total:						97	26	4	17	0